

dTDP-4-amino-4,6-dideoxy-D-glucose ammonia-lyase

Cat. No. EXWM-5290

Lot. No. (See product label)

Introduction

Description

The enzyme, which is a member of the 'AdoMet radical' (radical SAM) family, is involved in biosynthesis of TDP- α -D-desosamine. The reaction starts by the transfer of an electron from the reduced form of the enzyme's [4Fe-4S] cluster to S-adenosyl-L-methionine, splitting it into methionine and the radical 5'-deoxyadenosin-5'-yl, which attacks the sugar substrate.

Synonyms

desII (gene name); eryCV (gene name); MegCV

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.3.1.30

Reaction

dTDP-4-amino-4,6-dideoxy- α -D-glucopyranose + S-adenosyl-L-methionine + reduced acceptor = dTDP-3-dehydro-4,6-dideoxy- α -D-glucopyranose + NH₃ + L-methionine + 5'-deoxyadenosine + acceptor

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.